

CLAIMS

I claim:

1. an improved system of icons for the layout and cutting of frame carpentry on a tape having a surface, whereas:
 - a) wood grain patterns, emulating tree rings with concentric circles, expanding outward from a central point, on 1 ½" icons, are used to differentiate stud layouts, with said wood grain patterns being of three types: for 16" on center studs, said wood grain pattern will have a small inner circle surrounded by said concentric circles expanding outward; for 24" on center studs, said wood grain patterns will have a large inner circle, surrounded by said concentric circles expanding outward; and for 16" and 24" on center combined, said wood grain pattern will have a small wood grain inner circle within a large circle surrounded by said concentric circles expanding outward; said wood grain patterns are centered on said tape for zero offset, the center of said wood grain pattern is on an edge of said tape, within said icons, for the 3 ½" offset, and the center of said wood grain pattern is in the corner of said icons, on said tape for the 5 ½" offset;
 - b) a floating system of 1 ½" icons, on said tape, with large colored "T" 's in their centers and having a criss-cross of diagonal lines in the background on said tape icon, with irregular triangles/arrows or shoes for corners to determine trimmer and wall tee layout; are used on said tape to differentiate: the 40 ½" commercial interior door rough opening with two black "T" icons, the first of said black "T" icons being located between 7 ½" and 9" from the beginning of said tape; while the second said black

"T" icon is located between 49 1/2" and 51" from the beginning of said tape; from the residential rough openings for interior doors distinguished by white "T" 's, having a common "T" icon, on said tape between 2 1/4" and 3 3/4", while the line at 3 3/4", being 90 degrees perpendicular to the edge of said tape having a cartouche superimposed upon it with the letters "RO" representing "Rough Opening", and the numbers 0-0, representing the common trimmer, serving five common residential door rough opening white "T" icons; 26" for 2-0, 32" for 2-6, 34" for 2-8, 36" for 2-10, and 38" for 3-0, on said tape, each having a cartouche superimposed on the inside line (closest edge of the icon to the beginning of said tape) of said white "T" icons distinguishing door sizes (i.e. RO 2-0, RO 2-6, etc.); and from the residential 3 1/2" & 5 1/2" wall tees distinguished by red "T" 's in their centers and having a common icon, on said tape, between 4 3/4" and 6 1/4", and having the 3 1/2" wall tee "T" icon superimposed over a 16" on center/5 1/2" stud offset icon, on said tape, and the 5 1/2" wall tee "T" icon superimposed over a 16" on center/3 1/2" offset stud icon, on said tape;

c) for blocking, a plurality of spaced stations longitudinally disposed on said surface of said tape, said first plurality of spaced stations being 14 7/16" apart and separated by 1/8" cutting icons, and a second plurality of spaced stations longitudinally disposed on said surface of said tape, said second plurality of spaced stations being 22 7/16" apart and separated by 1/8" cutting icons, and a third plurality of spaced stations being longitudinally disposed on said surface of said tape, said third plurality of spaced stations being 13 11/16" apart and separated by 1/8" cutting icons, and a fourth plurality of spaced stations longitudinally disposed on said surface

of said tape, said fourth plurality of spaced stations being 21 11/16" apart and separated by 1/8" cutting icons;

d) said 1/8" cutting icons having diagonals going from long edge to long edge, of said icon, on said tape, to give the appearance of a saw blade.

2. a layout mark, composed of a cartouche superimposed on a line, on said tape, with a large circle superimposed on said cartouche, having a large "H" in its center, representing the commercial crosspiece/header for a standard 3-0 interior commercial door at 86 1/2";

3. a system of icons, on said tape, composed of cartouches superimposed on lines 90 degrees from edge of said tape, designating various squaring sets, working from a common icon, on the 2 inch line, of said tape, said cartouches being split in their centers by diamonds, actually squares standing on a vertex, having their sides at 45 degree angles to the edges of said tape, whereas the diamond on the common squaring icon has a large "0" in it, and each subsequent diamond cartouche, on said tape, has either a 3, 4, or 5 in it to designate which leg of the 3-4-5 right triangle is being represented, and different colors will be used to distinguish between said sets, on said tape.